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OM protein - protein search, using sw model

Run on: November 30, 2002, 12:35:43 ; Search time 8 Seconds
(without alignments)
1001.234 Million cell updates/sec

Title: US-10-025-514-16

Perfect score: 2675

Sequence: 1 MEDPQDAQAQKTDTSHPDQ.....RDLKCCMGCKGCVSPVKA 503

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 102317 seqs, 15924203 residues

Total number of hits satisfying chosen parameters: 102317

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*

1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*

2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*

3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*

4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep.*

5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*

6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB pep.*

7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB pep.*

8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB pep.*

9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*

10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB pep.*

11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*

12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*

13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*

14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1738	65.0	363	10	US-09-755-665-58
2	785	29.3	414	10	US-09-755-665-14
3	785	29.3	414	10	US-09-755-665-55
4	785	29.3	414	10	US-09-755-665-56
5	761	28.4	361	10	US-09-755-665-57
6	749.5	28.0	417	12	US-10-052-386-452
7	748.5	28.0	435	9	US-09-912-628-5
8	534.5	23.9	132	9	US-09-865-812-2
9	544.5	20.4	444	10	US-09-992-598-410
10	544.5	20.4	444	10	US-09-989-722-410
11	544.5	20.4	444	10	US-09-989-723-410
12	544.5	20.4	444	10	US-09-989-279-410
13	544.5	20.4	444	10	US-09-989-727-410
14	544.5	20.4	444	10	US-09-989-731-410
15	544.5	20.4	444	10	US-09-989-732-410
16	544.5	20.4	444	10	US-09-931-073-410
17	544.5	20.4	444	10	US-09-990-442-410
18	544.5	20.4	444	10	US-09-991-163-410
19	544.5	20.4	444	10	US-09-993-604-410

20	544.5	20.4	444	10	US-09-990-456-410	Sequence 410, App
21	544.5	20.4	444	10	US-09-989-721-410	Sequence 410, App
22	492.5	18.4	311	9	US-09-912-628-6	Sequence 6, Appli
23	488.5	18.3	459	10	US-09-925-300-1440	Sequence 1440, Ap
24	479	17.9	415	10	US-09-902-684-4	Sequence 4, Appli
25	471	17.6	405	10	US-09-902-684-13	Sequence 13, Appl
26	470.5	17.6	510	10	US-09-925-302-486	Sequence 486, App
27	469.5	17.6	410	9	US-09-987-021-2	Sequence 2, Appli
28	469.5	17.6	410	10	US-09-957-485-2	Sequence 2, Appli
29	468.5	17.5	410	9	US-09-987-021-3	Sequence 3, Appli
30	468.5	17.5	410	10	US-09-957-485-3	Sequence 3, Appli
31	463.5	17.3	374	9	US-09-974-298-95	Sequence 95, Appl
32	461.5	17.3	392	10	US-09-902-684-2	Sequence 2, Appli
33	459	17.2	391	10	US-09-735-705-110	Sequence 110, App
34	459	17.2	391	10	US-09-850-716A-110	Sequence 110, App
35	459	17.2	391	10	US-09-897-778-110	Sequence 112, App
36	457.5	17.1	400	10	US-09-735-705-112	Sequence 112, App
37	457.5	17.1	400	10	US-09-850-716A-112	Sequence 112, App
38	457.5	17.1	400	10	US-09-897-778-112	Sequence 112, App
39	451	16.9	402	9	US-09-987-021-4	Sequence 4, Appli
40	451	16.9	402	10	US-09-957-485-4	Sequence 1200, Ap
41	443	16.6	437	10	US-09-925-301-1200	Sequence 3, Appli
42	441.5	16.5	402	10	US-09-902-684-3	Sequence 27, Appl
43	438.5	16.4	377	10	US-09-910-430-27	Sequence 34205, A
44	429	16.0	216	10	US-09-864-761-34205	Sequence 1, Appli
45	425.5	15.9	464	10	US-09-414-834-1	

ALIGNMENTS

RESULT 1

US-09-755-665-58
; Sequence 58, Application US/09755665
; Patent No. US20020107186A1
; GENERAL INFORMATION:
; APPLICANT: Prayaga, Sudhirdas K.
; APPLICANT: Majumder, Kumud
; APPLICANT: Tallon, Bruce E.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-631
; CURRENT APPLICATION NUMBER: US/09755,665
; CURRENT FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: U.S.N. 60/174,724
; PRIOR FILING DATE: 2000-01-06
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-755-665-58

Query Match 65.0%; Score 1738; DB 10; Length 363;
Best Local Similarity 92.3%; Pred. No. 9.4e-128;
Matches 335; Conservative 19; Mismatches 9; Indels 0; Gaps 0;

Qy	33	EFATSLYRLAHQSNSTNIFPVSIVATAFAMLSIGTKADTHDEILGLNLTETPEAQ	92
Db	1	EFATSLYRLAHQSNSTNIFPVSIVATAFAMLSIGTKADTHDEILGLNLTETPEAQ	60
Qy	93	IHEGFQELLRLTNPDSQLQTLTGNGFLSEGLKLVDPKFLVDYKLVHSEAFVNFQDTE	152
Db	61	VHEGFQELLRLTNPDSQLQTLTGNGFLSEGLKLVDPKFLVDYKLVHSEAFVNFQDTE	120
Qy	153	EAKQINDYVEKQGGKIVDLVKELDRDTVFALVNYIFFKGMWEPFEVKDTEEDPHVD	212
Db	121	EAKQINDYVEKQGGKIVDLVKELDRDTVFALVNYIFFKGMWEPFEVKDTEEDPHVD	180
Qy	213	QVTVKVPMMKRLGMFNIOHCKKLSSNVLLMKYLGNTATATFFLPDEGKLOHLENLTHDI	272

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181 QATTVKVPMRRRLGMEFIYCEKLSWVLLMKYLGNATLFFLDQDGLQHLNETHDI 240
273 ITKLENEEDRRSASLHLPKLSITGTVDLKSVLGOLGTTKVFNSGADLSGVTEAPLKLK 332
241 ITKLENEEDRRSASLHLPKLSITGTVDLKSVLGOLGTTKVFNSGADLSGVTEAPLKLK 300
333 AVHKAULTIDEKTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIEQNTKSPFLMGKVNP 392
301 AVHKAULTIDEKTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIEQNTKSPFLMGKVNP 360
393 TQK 395
361 TQK 363

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RESULT 2
US-09-755-665-14
; Sequence 14, Application US/09755665
; Patent No. US20020107186A1
; GENERAL INFORMATION:
; APPLICANT: Prayaga, Sudhirdas K.
; APPLICANT: Majumder, Kumud
; APPLICANT: Tailon, Bruce E.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-631
; CURRENT APPLICATION NUMBER: US/09755,665
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/174,724
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-755-665-14

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Query Match 29.3%; Score 785; DB 10; Length 414;
Best Local Similarity 42.7%; Pred. No. 1.3e-53;
Matches 155; Conservative 73; Mismatches 133; Indels 2; Gaps 1;

QY 33 EFASFYRLQAHQSNTNFFSPVSIATAFAMLSLGTADTHDEILLEGNFNLTEIPEAQ 92
Db 54 DLGFKLLKLAIFYNPGRNIFLSPLSISTAFSMLCLGAQDSTLDEIKQGFNER--KMPEKD 111
QY 93 IHGFGQELLRTLNQPSQLQTLTGNGFLSEGLKLVDPKLEVDVKLYHSEAFVNFQDTE 152
Db 112 LHGFGFYIHELTKQTDQLKLSIGNTLFDQRLQPKRKFLEDAKNFYSAETILTQFNLE 171
QY 153 EAKKOINDYVEKGTQKIVDLVKELDRDTVFALVNTIFFGKWERPFVEKDTDEEDFHYD 212
Db 172 MAQKQINDFISQTHGKINNLIENIDPGVTMALLANYIFFRARKHEDFPNVTKEEDFFLE 231
QY 213 QVTTVKVPMKRLGMFNIOHCKKLSWVLLMKYLGNATLFFLDQDGLQHLNETHDI 272
Db 232 KNSSVKVPMMFRSGIYQVGYDDKLSCTILEIPYQKNITAFILPDEGKLKLEKGLQVDT 291
QY 273 ITKLENEEDRRSASLHLPKLSITGTVDLKSVLGOLGTTKVFNSGADLSGVTEAPLKLK 332
Db 292 FSRWKTLLSRVVDVSVPRLHMTGTFDLKKTLTSYIGVSKIFEHGDLTKIAPHRSLKVG 351
QY 333 AVHKAULTIDEKTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIEQNTKSPFLMGKVNP 392
Db 352 AVHKAELKMDERTEGAAGTGAQTLPMTPLVVKIDKPYLLIYSEKIPSVLFLGKIVNP 411
QY 393 TQK 395
Db 412 IGK 414

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Query Match 29.3%; Score 785; DB 10; Length 414;
Best Local Similarity 42.7%; Pred. No. 1.3e-53;
Matches 155; Conservative 73; Mismatches 133; Indels 2; Gaps 1;

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QY 33 EFASFYRLQAHQSNTNFFSPVSIATAFAMLSLGTADTHDEILLEGNFNLTEIPEAQ 92
Db 54 DLGFKLLKLAIFYNPGRNIFLSPLSISTAFSMLCLGAQDSTLDEIKQGFNER--KMPEKD 111
QY 93 IHGFGQELLRTLNQPSQLQTLTGNGFLSEGLKLVDPKLEVDVKLYHSEAFVNFQDTE 152
Db 112 LHGFGFYIHELTKQTDQLKLSIGNTLFDQRLQPKRKFLEDAKNFYSAETILTQFNLE 171
QY 153 EAKKOINDYVEKGTQKIVDLVKELDRDTVFALVNTIFFGKWERPFVEKDTDEEDFHYD 212
Db 172 MAQKQINDFISQTHGKINNLIENIDPGVTMALLANYIFFRARKHEDFPNVTKEEDFFLE 231
QY 213 QVTTVKVPMKRLGMFNIOHCKKLSWVLLMKYLGNATLFFLDQDGLQHLNETHDI 272
Db 232 KNSSVKVPMMFRSGIYQVGYDDKLSCTILEIPYQKNITAFILPDEGKLKLEKGLQVDT 291
QY 273 ITKLENEEDRRSASLHLPKLSITGTVDLKSVLGOLGTTKVFNSGADLSGVTEAPLKLK 332
Db 292 FSRWKTLLSRVVDVSVPRLHMTGTFDLKKTLTSYIGVSKIFEHGDLTKIAPHRSLKVG 351
QY 333 AVHKAULTIDEKTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIEQNTKSPFLMGKVNP 392
Db 352 AVHKAELKMDERTEGAAGTGAQTLPMTPLVVKIDKPYLLIYSEKIPSVLFLGKIVNP 411
QY 393 TQK 395
Db 412 IGK 414

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RESULT 3
US-09-755-665-55
; Sequence 55, Application US/09755665
; Patent No. US20020107186A1
; GENERAL INFORMATION:
; APPLICANT: Prayaga, Sudhirdas K.
; APPLICANT: Majumder, Kumud
; APPLICANT: Tailon, Bruce E.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-631
; CURRENT APPLICATION NUMBER: US/09755,665
; CURRENT FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: U.S.S.N. 60/174,724
; PRIOR FILING DATE: 2000-01-06
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 55
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-755-665-55

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Query Match 29.3%; Score 785; DB 10; Length 414;
Best Local Similarity 42.7%; Pred. No. 1.3e-53;
Matches 155; Conservative 73; Mismatches 133; Indels 2; Gaps 1;

QY 33 EFASFYRLQAHQSNTNFFSPVSIATAFAMLSLGTADTHDEILLEGNFNLTEIPEAQ 92
Db 54 DLGFKLLKLAIFYNPGRNIFLSPLSISTAFSMLCLGAQDSTLDEIKQGFNER--KMPEKD 111
QY 93 IHGFGQELLRTLNQPSQLQTLTGNGFLSEGLKLVDPKLEVDVKLYHSEAFVNFQDTE 152
Db 112 LHGFGFYIHELTKQTDQLKLSIGNTLFDQRLQPKRKFLEDAKNFYSAETILTQFNLE 171
QY 153 EAKKOINDYVEKGTQKIVDLVKELDRDTVFALVNTIFFGKWERPFVEKDTDEEDFHYD 212
Db 172 MAQKQINDFISQTHGKINNLIENIDPGVTMALLANYIFFRARKHEDFPNVTKEEDFFLE 231
QY 213 QVTTVKVPMKRLGMFNIOHCKKLSWVLLMKYLGNATLFFLDQDGLQHLNETHDI 272
Db 232 KNSSVKVPMMFRSGIYQVGYDDKLSCTILEIPYQKNITAFILPDEGKLKLEKGLQVDT 291
QY 273 ITKLENEEDRRSASLHLPKLSITGTVDLKSVLGOLGTTKVFNSGADLSGVTEAPLKLK 332
Db 292 FSRWKTLLSRVVDVSVPRLHMTGTFDLKKTLTSYIGVSKIFEHGDLTKIAPHRSLKVG 351
QY 333 AVHKAULTIDEKTEAAGAMFLEAIPMSIPPEVKFNKPFVFLMIEQNTKSPFLMGKVNP 392
Db 352 AVHKAELKMDERTEGAAGTGAQTLPMTPLVVKIDKPYLLIYSEKIPSVLFLGKIVNP 411
QY 393 TQK 395
Db 412 IGK 414

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RESULT 4
US-09-755-665-56
; Sequence 56, Application US/09755665
; Patent No. US20020107186A1
; GENERAL INFORMATION:
; APPLICANT: Prayaga, Sudhirdas K.
; APPLICANT: Majumder, Kumud
; APPLICANT: Tailon, Bruce E.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: MacDougall, John
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-631
; CURRENT APPLICATION NUMBER: US/09755,665

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;; PRIOR APPLICATION NUMBER: 60/088876
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/089090
;; PRIOR FILING DATE: 1998-06-12
;; PRIOR APPLICATION NUMBER: 60/089105
;; PRIOR FILING DATE: 1998-06-12
;; PRIOR APPLICATION NUMBER: 60/089512
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089514
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089538
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089908

Query Match 28.0%; Score 749.5; DB 12; Length 417;
Best Local Similarity 41.4%; Pred. No. 7.6e-51;
Matches 159; Conservative 78; Mismatches 136; Indels 11; Gaps 3;

QY 22 PTNKKITPNL-----AERAFSLYROLAHQSNSTNIFSPVSIATAFAMLSLGTAKDTHD 75
Db 33 PSSTKSTPASQVYSLNTDFAFLYRLVLETPSQNIFSPVSVSTSLAMLSLGAHVSHTK 92
QY 76 EILEGLNFNLTEPEAQIHQGFQELLRLTNQPSQLOLTGNGFLFSEGLKLVDFLEDY 135
Db 93 QILQGLGNLTHTPESAIHQGFQHLVSLTVPSKDLTLKMGSAFLVKKELQLANFLGNV 152
QY 136 KLYHSEAFVTFNGDTEEAQKQINDYVEKGTQGIKIVDLVKELDRDTVFALVNYFFKGM 195
Db 153 KRLYEAEVSTDFSNPSIAQARINSHVKKTKQGVVDIIQGLDILLTAMVLVNHFFKAKW 212
QY 196 ERPEVKDTEEE--DFHVDQVTVKVPMMKRLGMFNTHQCKKLSSWVLLMKYLGNAIAIFF 254
Db 213 EKPFHEYTRKNFPFLVGEQVTVVPMHMQEQFAFGVDTELCNCFVLQMDYKGDVAFFV 272
QY 255 LPDEGLQHLNETHDITITKFLNEDRRSASLHLPKLSITGTYDLKSVLQGLGTVKVS 314
Db 273 LPSGKMRQLEQALSARTLKWSHSLQKRWIEVFIPRFSISASYNLETLIPKMGIONAFD 332
QY 315 NGADLSGVTEAPLKLKSAVHKAVALTIDEKGTGAAGAMFLAIPMSIPP-----EVKFNKP 370
Db 333 KNADFSGIAKRDLSQVSKATHKAVLDVSEGTETAATTTKFIIVRSKDGPSYFTVSFNRT 392
QY 371 FVELMIEQNTKSPFLMGKVNPQTQ 394
Db 393 FLMMITNKATDGIILFLGKVENPTK 416

RESULT 7

US-09-912-628-5
; Sequence 5, Application US/09912628
; Patent No. US20020160491A1

GENERAL INFORMATION:

; APPLICANT: NI et al.
; TITLE OF INVENTION: Human Serpin Polynucleotides, Polypeptides, and Antibodies
; FILE REFERENCE: PT001P2
; CURRENT APPLICATION NUMBER: US/09/912,628
; PRIOR FILING DATE: 2001-07-26
; PRIOR APPLICATION NUMBER: PCT/US01/02484
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,769
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: PCT/US00/05082
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 435
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-912-628-5

Query Match 28.0%; Score 748.5; DB 9; Length 435;
Best Local Similarity 41.7%; Pred. No. 9.6e-51;
Matches 160; Conservative 76; Mismatches 137; Indels 11; Gaps 3;

QY 22 PTNKKITPNL-----AERAFSLYROLAHQSNSTNIFSPVSIATAFAMLSLGTAKDTHD 75
Db 51 PSSTKSTPASQVYSLNTDFAFLYRLVLETPSQNIFSPVSVSTSLAMLSLGAHVSHTK 110
QY 76 EILEGLNFNLTEPEAQIHQGFQELLRLTNQPSQLOLTGNGFLFSEGLKLVDFLEDY 135
Db 111 QILQGLGNLTHTPESAIHQGFQHLVSLTVPSKDLTLKMGSAFLVKKELQLANFLGNV 170
QY 136 KLYHSEAFVTFNGDTEEAQKQINDYVEKGTQGIKIVDLVKELDRDTVFALVNYFFKGM 195
Db 171 KRLYEAEVSTDFSNPSIAQARINSHVKKTKQGVVDIIQGLDILLTAMVLVNHFFKAKW 230
QY 196 ERPEVKDTEEE--DFHVDQVTVKVPMMKRLGMFNTHQCKKLSSWVLLMKYLGNAIAIFF 254
Db 231 EKPFHEYTRKNFPFLVGEQVTVVPMHMQEQFAFGVDTELCNCFVLQMDYKGDVAFFV 290
QY 255 LPDEGLQHLNETHDITITKFLNEDRRSASLHLPKLSITGTYDLKSVLQGLGTVKVS 314
Db 291 LPSGKMRQLEQALSARTLKWSHSLQKRWIEVFIPRFSISASYNLETLIPKMGIONAFD 350
QY 315 NGADLSGVTEAPLKLKSAVHKAVALTIDEKGTGAAGAMFLAIPMSIPP-----EVKFNKP 370
Db 351 KNADFSGIAKRDLSQVSKATHKAVLDVSEGTETAATTTKFIIVRSKDGPSYFTVSFNRT 410
QY 371 FVELMIEQNTKSPFLMGKVNPQTQ 394
Db 411 FLMMITNKATDGIILFLGKVENPTK 434

RESULT 8

US-09-865-812-2
; Sequence 2, Application US/09865812
; Patent No. US20020115626A1

GENERAL INFORMATION:

; APPLICANT: Rastelli, Luca
; APPLICANT: Smithson, Glenda
; TITLE OF INVENTION: Method of Detecting Inflammatory Lung Disorders
; FILE REFERENCE: 21402-018 US
; CURRENT APPLICATION NUMBER: US/09/865,812
; PRIOR FILING DATE: 2001-05-28
; PRIOR APPLICATION NUMBER: 60/207,104
; PRIOR FILING DATE: 2000-05-25
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-865-812-2

Query Match 23.9%; Score 638.5; DB 10; Length 132;
Best Local Similarity 84.2%; Pred. No. 6.8e-43;
Matches 112; Conservative 5; Mismatches 9; Indels 7; Gaps 1;

QY 371 FVELMIEQNTKSPFLMGKVNPQTOKMSGKSPKAGVCPKPSAQCRLRYKKPKQSDMOCPG 430
Db 7 PFLLVL-----LALGTLAPWAVEGSGKSPKAGVCPKPSAQCRLRYKKPKQSDMOCPG 59
QY 431 KKRCPPDTCIGKCLDPDVPDTPNTRRKPGKCPVTVYGCCLMLNPPNFCENDGCKRDLKCCM 490
Db 60 KKRCPPDTCIGKCLDPDVPDTPNTRRKPGKCPVTVYGCCLMLNPPNFCENDGCKRDLKCCM 119
QY 491 GMSGKSCVSPVKA 503
Db 120 GMSGKSCVSPVKA 132

RESULT 9
 US-09-992-598-410
 Sequence 410, Application US/09992598
 Patent No. US20020160384A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi J.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Nepier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2730PIC20
 CURRENT APPLICATION NUMBER: US/09/992,598
 CURRENT FILING DATE: 2001-11-14
 PRIOR APPLICATION NUMBER: 60/049787
 PRIOR FILING DATE: 1997-06-16
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/075945
 PRIOR FILING DATE: 1998-02-25
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
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 PRIOR FILING DATE: 1998-06-23

[illegible]

Query Match 20.4%; Score 544.5; DB 10; Length 444;
Best Local Similarity 32.4%; Pred. No. 7.1e-35;
Matches 128; Conservative 85; Mismatches 177; Indels 5; Gaps 5;
QY 2 EDQDGAOKTDTSHRDQDHTFNKTPNLAFAFSLYRQLAHQSNSTNIFSPVSIATA 61
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QY 62 FAMLISGTRADHDELEGNFN-LTEIPDAQHGEFQELLRLNPDQSLOLTGTGNGLF 120
Db 109 MTGLMLGATGPTTQIKRGLHQAALKPTKPGLLPSLFLKGLRETLR-NLELGLSQGSFAF 167
QY 121 LSGELKLVKFLDVKFKVLSHSAFTVNFCDTEAKQINDYVEKGTQGIYDLVKELDRD 180
Db 168 IHKDFVKTFFNLSRYEDTECVPMFRNASQAKMLMHHYINKETRGKIPKLFDEINPE 227
QY 181 TVFALVNIYFFKGKWRPFVKDTEDEDFHVDQVTVTKVPMKRLGCMFNQHCCKLSSWV 240
Db 228 TKLILVDYILFKGKWLTPDPVTEVDTFHLDKYTKIKVPMYGAGKFASTEDKNFRCHV 287
QY 241 LLMKYLGNATATFFLPDE-GKLOHLENLTHDIITKFELENEDRRSASLHLPKLSITGYD 299
Db 288 LKLPYQGNATMVLVMEKMGDHLAEDYLTDLVETWLRNMRNMEVFPFKLDQKYE 347
QY 300 LKSVLGQIGTKTVFSNGADSLGVTEEA-PLKLSKAVHKAVLTIDEKGTAAAGAMFLEAIP 358
Db 348 MHELLQMGIRRIEFPADLSLSATGRNLQVSRVLRRTVIEDEKGTAAVAGIILSEITA 407
QY 359 MSTPPEVKPNKPFVFMIEONTKSPFMGKVVNPT 393
Db 408 YSMPPIKVDKPFHFIYEETSGLLFLGRVYNPT 442

RESULT 11

US-09-989-723-410
Sequence 410, Application US/09989723
Patent No. US20020072092A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC62
CURRENT APPLICATION NUMBER: US/09/989,723
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC56
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; PRIOR FILING DATE: 1998-07-09

Query Match      20.4%; Score 544.5; DB 10; Length 444;
Best Local Similarity 32.4%; Pred. No. 7.1e-35;
Matches 128; Conservative 85; Mismatches 177; Indels 5; Gaps 5;

QY 2 EDPOQAAQKTDTSHHQDHPFTFNKIPNLAEAFSLYROLAHQSNSTNFFSPVSTAT 61
DB 50 EDEQEAEEKAGEBEKAWLMASROQLAKETSNGFGLSLKISMHRDG-NMVSPFGMSLA 108
QY 62 FAMILSLGKADTHEILLEGLENF-N-LTEIPERQIHGEOELLRTLNQDPSOLQITGNGLF 120
DB 109 MTGLMGATGPTETQIKRGLHLQALKPTKPGLLPSLFKGLRETLRS-NLELGLSQGSFAF 167
QY 121 LSEGLKLVKDFLEDVKLYHSEAFVNFQDTEEAQKQINDYVEKGTQCTVDLVKELDRD 180
DB 168 IHKDFDVKETFTFNLSKRYFDTFCVPMFRNASQAKRLMNHYNKTKGKPKLFEINPE 227
QY 181 TVFALVNYIFFKQWERPEVKDTEEDFHVDQVTVTKVPMKRLGMFNTQHCCKLSSWV 240
DB 228 TKLILVDYILFKGKWLTPDFVFTEVDFHDKYTKIKVPMYAGKGFASFTDKNFRCHV 287
QY 241 LMKYLGNATAIFFLPDB-GKLQHELENLTHDITKFELENDRSASLHLPKLSITCTYD 299
DB 288 LKLPYQGNATMLVLMKMGDHLAEDYLTDLVETWLRNMKTENMEVFFPKFKLDQKE 347
QY 300 LKSVLGQGITKVSNGADLSQVTEEA-PLKLSKAVHKAVLTIDEKTEAAGAMFLAIP 358
DB 348 MHELLRQMGIRIRFSPFADLSGATGNLQVSRVLRTRTEVDERGTEAVAGILSEITA 407
QY 359 MSIPPEVFNKPPVFLMIEQNTKSPFLFMGKVYVNT 393
DB 408 YSMPPIKVRDRPFHFMPIVEETSGMLLFLGRVYVNT 442

RESULT 13
US-09-989-727-410
; Sequence 410, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC65
; CURRENT APPLICATION NUMBER: US/09/989,727
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 20.4%; Score 544.5; DB 10; Length 444;

Best Local Similarity 32.4%; Pred. No. 7.1e-35;

Matches 128; Conservative 85; Mismatches 177; Indels 5; Gaps 5;

QY 2 EDPQDAQAQKTDTHSHDQDHTFNKITPNAEFAFSLYRQLAHQSNSTNIFSPVSTAT 61

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Db 109 MTGLMLGATGPTETQIKRGLHLQALKPTKPGLLPSLFKGLRETLR-NLELCSQGSFAF 167

QY 121 LSEGLKLVDFEDYKLYHSEAFVNFQDTEEAQKQINDYVEKGTQCKIYDLVKELDRD 180

Db 168 IHKDFDVKEETFEENLSKRYFDTCEVPMNPRNASQAKRLMNHVINKETRGKPKLDFEINPE 227

QY 181 TVFALVNYIFPKGWERPEVKDTEEDFHYDQVTVKVPMMKRLGHNIOHCKLSSWV 240

Db 228 TKLILVDYILFKGWLTPDFVTEVDTHLDKYTKIKVPMYAGAGKFASTFDKNFRCHV 287

QY 241 LLMKYLGNATAIFFLPDE-GKLQHLENELTHDIITKFLNEDRRSASLHLPKLSITGYD 299

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Db	348	MHELLRQNGTRIFSPFADLSAELSGRNLQVSRVLRVIVIEDRGTEAVAGILSEITA	407
Qy	359	MSIPPEYKFNKPFVFLMIEQNTKSPFLFMGKVNPT	393
Db	408	YSMPVVKVDRPFHFMIYEETSGMLFLGLRVVNPT	442
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; Sequence 410, Application US/09989731			
; Patent No. US20020103125A1			
; GENERAL INFORMATION:			
; APPLICANT: Ashkenazi, Avi J.			
; APPLICANT: Baker, Kevin P.			
; APPLICANT: Botstein, David			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Eaton, Dan L.			
; APPLICANT: Ferrara, Napoleone			
; APPLICANT: Fong, Sherman			
; APPLICANT: Gerber, Hanspeter			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Grimaldi, J Christopher			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Kljavin, Ivar J.			
; APPLICANT: Napier, Mary A.			
; APPLICANT: Pan, James			
; APPLICANT: Paoni, Nicholas F.			
; APPLICANT: Roy, Margaret Ann			
; APPLICANT: Stewart, Timothy A.			
; APPLICANT: Tumas, Daniel			
; APPLICANT: Watanabe, Colin K.			
; APPLICANT: Williams, P. Mickey			
; APPLICANT: Wood, William I.			
; APPLICANT: Zhang, Zemin			
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
; TITLE OF INVENTION: Acids Encoding the Same			
; FILE REFERENCE: P2730P1C70			
; CURRENT APPLICATION NUMBER: US/09/989,731			
; CURRENT FILING DATE: 2001-11-20			
; PRIOR APPLICATION NUMBER: 60/049787			
; PRIOR FILING DATE: 1997-06-16			
; PRIOR APPLICATION NUMBER: 60/062250			
; PRIOR FILING DATE: 1997-10-17			
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 ; PRIOR FILING DATE: 1998-07-02
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 ; PRIOR APPLICATION NUMBER: 60/091978
 ; PRIOR FILING DATE: 1998-07-07
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 ; PRIOR FILING DATE: 1998-07-07
 ; PRIOR APPLICATION NUMBER: 60/092182
 ; PRIOR FILING DATE: 1998-07-09

Query Match 20.4%; Score 544.5; DB 10; Length 444;
 Best Local Similarity 32.4%; Pred. No. 7.1e-35;
 Matches 128; Conservative 85; Mismatches 177; Indels 5; Gaps 5;

QY 2 EDPOGDAQAQKTDTSHHDDHPTFNKIPNLAEFAFSLYROLAHOSNSTNIFFPVSIATA 61
 DB 50 EDEQEAEEKAGEEKAAMASROOLAKETSNFGFSLLRKISMHDG-NWVFSFPGHSLA 108
 QY 62 FAMLSTGKADTHDIELEGNFN-LTEPEAQIHGEGFELLRTLNQDPSQLQLTGNGLF 120
 DB 109 MTGLMGATGPTETQIKRGLHLQALPKTKPGLPSLFGKRLTSLR-NLELGLSQGSFAF 167
 QY 121 LSEGLKLVYDKFLEDVKKLYHSEAFVNEGDTTEAKKQINDYVEKGTQCKIYDLVKELDRD 180
 DB 168 IHKDDVAKETEFNLSKRYFDETCVPMNFRNASQAKRLMNHVINKETRGKIPKLFDEINPE 227
 QY 181 TVFALVNYIFKKGWERPEVKDTEEDFHYDQVTVVPMKRLGMFNIHQHCKKLSSWV 240
 DB 228 TKLLVLDYILFKGKWLTFDPVTFEVDTFHLDKTKTKVPMYAGAGFASTFDKNFRCHV 287
 QY 241 LLMKYLGNATAIFFLPDE-GKQLHLELHDTHTITKFLLENEDRRSASLHLPKLSITGYD 299
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RESULT 15
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 ; Sequence 410. Application US/09989732
 ; Patent No. US20020123463A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ashkenazi, Avi J.
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Kijavina, Ivar J.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: P2730P1C57
 ; CURRENT APPLICATION NUMBER: US/09/989,732
 ; CURRENT FILING DATE: 2001-11-19
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